

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 67 Suppl. No. 0 Contract No. 04 – 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:

To: AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENTURE

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract.

NOTE: This change order is not effective until approved by the Engineer.

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Fabricate, ship and verify dimensions of a second tower base template and ship (4) field template parts, furnished by the Department to ABF on January 23, 2008, to China fabricated for Contract 04-0120E4 as described in this change order.

Extra Work at Lump Sum:

1. Ship Contract No. 04-0120E4 base plate field template parts to ZPMC in China to complete the State Furnished Steel Template previously furnished by the Department and described in Special Provisions Section 10-1.59, "Steel Structures," subsection "Template".
2. Fabricate a Second Tower Base Template using steel meeting the strength requirements of ASTM A709M Gr. 345 as shown on sheets three (3) through five (5) of this change order.
3. The Contractor shall verify the location of the holes by physically matching the Second Tower Base Template to the State Furnished Steel Template. This shall be witnessed by the Engineer.

The following revised sheets detail all changes:

Supplemental Contract Plan Sheet Nos. 600S1R1, 600S2R1 and 600S3R1 (of 1204).

For this work, the Contractor shall receive a sum of \$473,652.00. This sum constitutes full compensation, including markups, for this change.

Cost of Extra Work at Lump Sum\$473,652.00

Adjustment of Compensation at Lump Sum

In lieu of performing the work of shipping, assembling and comparing the State Furnished Steel Template on the Tower footing as described in Special Provisions Section 10-1.59, "Steel Structures," the Contractor shall perform the following work to the second tower base template as directed by the Engineer:

1. Ship and assemble the second template for use in comparing to the existing T1 foundation.
2. The Second Tower Base Template shall be compared to the existing T1 foundation as required in Special Provisions Section 10-1.59, "Steel Structures" prior to the shipment of Lift 1 of the Tower or as agreed by the Engineer.

For this work, the Contractor shall receive a sum of \$39,175.00. This sum constitutes full compensation, including markups, for this change.

Cost of Adjustment of Compensation at Lump Sum\$39,175.00

CONTRACT CHANGE ORDER

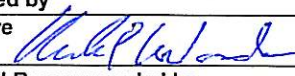
Change Requested by: Engineer

CCO: 67 Suppl. No. 0 Contract No. 04 - 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:


Estimated Cost: Increase ☒ Decrease ☐ \$512,827.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature		Resident Engineer	Gary Pursell, Sup.T.E.	Date	24 Feb 2009
	Mark P. Woods, Sr. Br. Engr for				

Approval Recommended by

Signature		Supervising Bridge Engineer	Richard Morrow, Sup.T.E.	Date	3/25/09
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Engineer Approval by

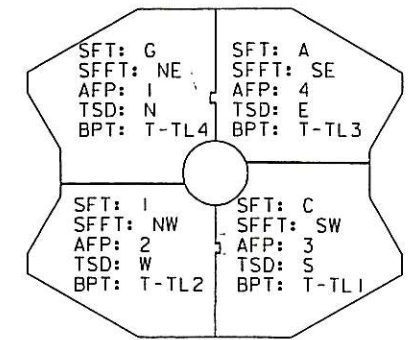
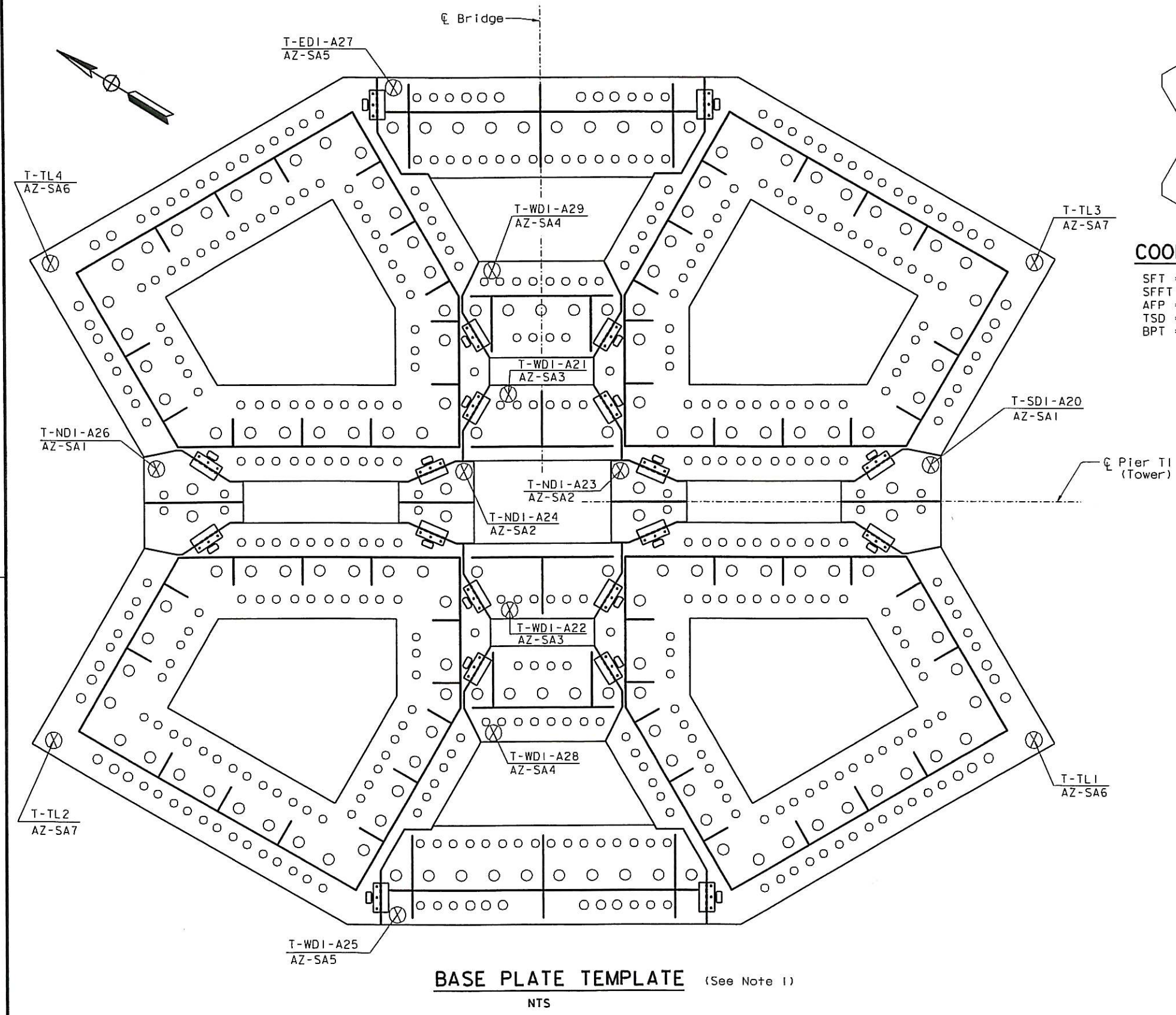
Signature		Supervising Transportation Engineer	Peter Siegenthaler, Prin.T.E.	Date	3/10/09
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature		(Print name and title)	Michael D. Flowers Project Director	Date	3-5-09
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COORDINATION PLAN VIEW

SFT = State Furnished Template
SFFT = State Furnished Field Template
AFP = Anchorage Fabrication Procedure
TSD = Tower Shop Drawings
BPT = Base Plate Template



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	600SIRI	1204

REGISTERED ENGINEER - CIVIL
James P. Duxbury
No. C 64677
Exp. 06/30/09
PLANS APPROVAL DATE 06-20-08
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T.Y. LIN / MOFFATT & NICHOL
825 BATTERY STREET
SAN FRANCISCO, CA 94111
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**CONTRACT CHANGE ORDER NO. 67
SHEET 3 OF 5**

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
11/07/08	TOWER BASE PLATE TEMPLATE	JD	MN	67	
06/20/08	TOWER BASE PLATE TEMPLATE	JD	MN	67	
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
REVISIONS					

LEGEND:

- Base Plate Template Piece Mark
- Permanent Base Plate Piece Mark
- Location of Splice PL

NOTES:

- The flatness of the base plate template shall be within ± 5 mm of the overall X and Y dimensions of the permanent tower base plate.
- The base plate template shall be made of same number of pieces and configuration as the permanent tower base plates being erected as part of the permanent structure.
- The base plate template pieces shall be the same external size and shape as the permanent tower base plates.
- Holes in the base plate template shall be the same diameter as the holes in the permanent tower base plates.
- The holes in the base plate template shall be located to match the holes in the State Furnished Template and State Furnished Field Templates to within ± 3.0 mm.
- The reference lines on the State Furnished Template shall be marked on the base plate template within ± 1.0 mm.
- The tower Working Points (WP) at Elevation 3.125 m shall be marked on the punch plate for all tower shafts.

BASE PLATE TEMPLATE (See Note 1)
NTS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
Sign Off Date 11/07/08
Rev. Date: 3-18-95

DESIGN	BY J. Duxbury	CHECKED M. Nader
DETAILS	BY J. Duxbury	CHECKED M. Nader
QUANTITIES	BY J. Duxbury	CHECKED M. Nader

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER
BRIDGE NO. 34-0006L/R
KILOMETER POST 13.2/13.9

**SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
SELF-ANCHORED SUSPENSION BRIDGE
(SUPERSTRUCTURE & TOWER)**

TOWER ANCHORAGE DETAILS NO. 9

CU 04
EA 0120F1
DISREGARD PRINTS BEARING EARLIER REVISION DATES
REVISION DATES (PRELIMINARY STAGE ONLY)
05/23/08
SHEET 183SIRI OF



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REGISTERED ENGINEER - CIVIL

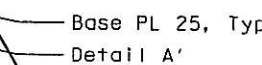
06-20-08

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
James P. Duxbury
No. C 64677
Exp. 06/30/09
CIVIL
STATE OF CALIFORNIA

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△	06/20/08	TOWER BASE PLATE TEMPLATE	JD	MN	67	
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO=	
REVISIONS						

1. For Details A thru C and Section A-A thru Section C-C, see "Tower Anchorage Details No. 11" sheet.
2. For Lift Pin Hole Details and Padeye Details, see "Tower Anchorage Details No. 11" sheet.
3. Stiffener plates are welded on to tower base plate using minimum size fillet welds on both sides, UNO.
4. For splice plate detail, see "Tower Anchorage Details No. 11" sheet.
5. Pick Point Center of gravity shall be verified by the Contractor. Contractor may select alternate pick point, subject to review and approval of the Engineer.
6. Each base plate template piece shall have three reference points stamped and labeled on the top surface of the plate.

1:20

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
SELF-ANCHORED SUSPENSION BRIDGE
(SUPERSTRUCTURE & TOWER)
TOWER ANCHORAGE DETAILS NO. 10

TOWER ANCHORAGE DETAILS NO. 10

SHEET BEARING NO.	REVISION DATES (PRELIMINARY STAGE ONLY)						SHEET	OF

EA 0120F1	EMITTER REVISION DATES	05/23/08				
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DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	60053R1	1204

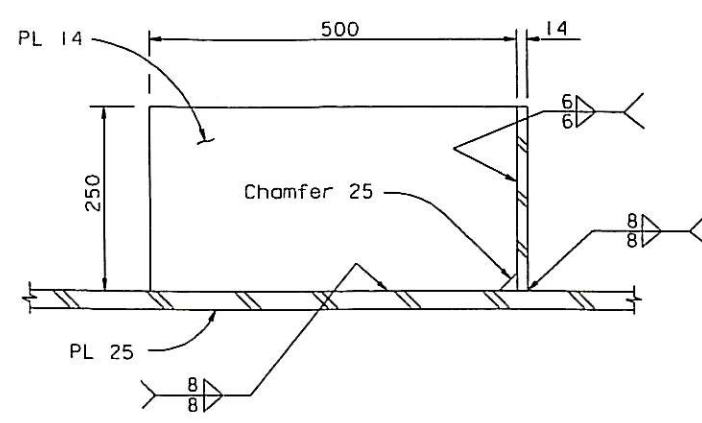
REGISTERED ENGINEER - CIVIL
James P. Duxbury
No. C 64677
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CIVIL
STATE OF CALIFORNIA

06-20-08
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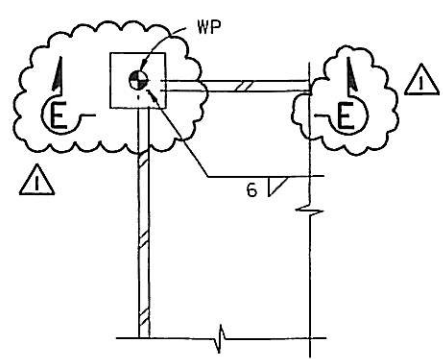
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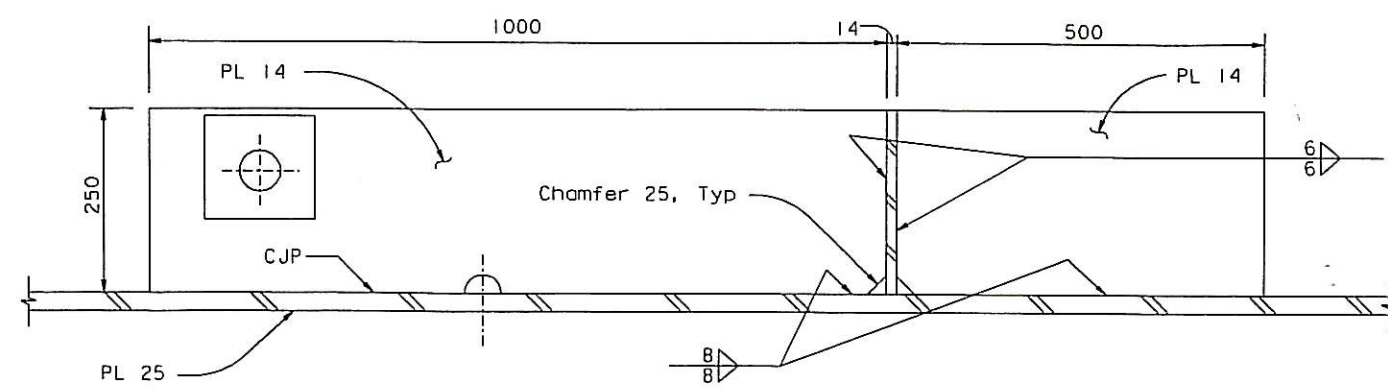
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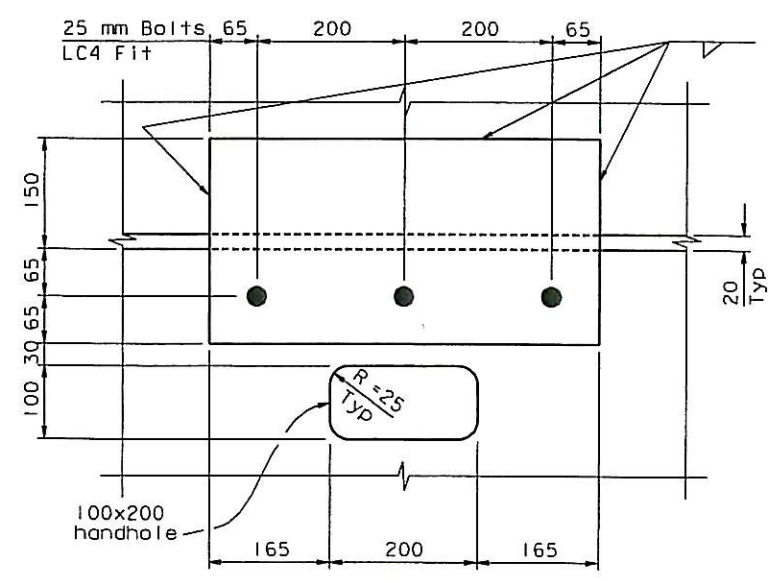
SECTION A-A
1:5



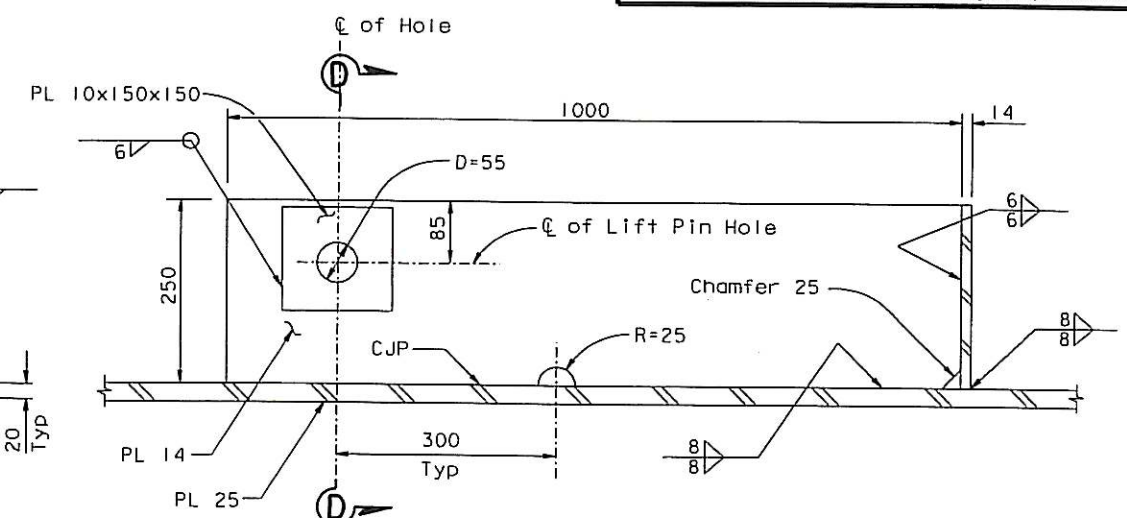
DETAIL A (Detail A' similar)
1:5
(Hole for lift pin not shown for clarity)



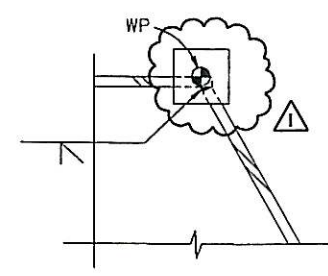
SECTION B-B
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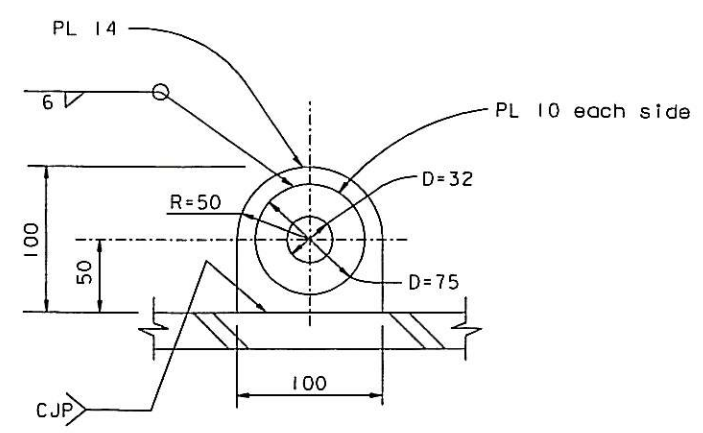
SPLICE PLATE DETAIL
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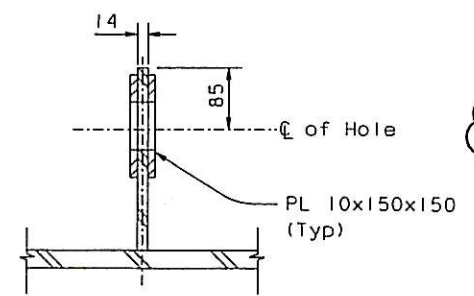
SECTION C-C
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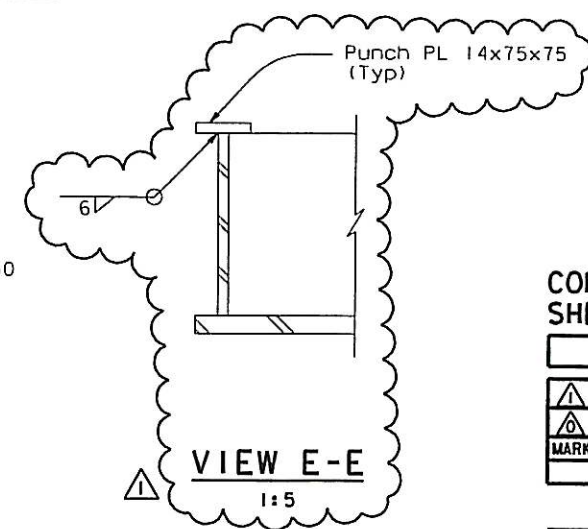
DETAIL B
1:5



PADEYE DETAIL
1:2.5



SECTION D-D
1:5



VIEW E-E
1:5

CONTRACT CHANGE ORDER NO. 67
SHEET 5 OF 5

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R. Valizadeh/V. Toan/Y. L. /W. L. /F. C.
DESIGN OVERSIGHT
Rev. 11/07/08
SIGN OFF DATE 11/07/08

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SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
SELF-ANCHORED SUSPENSION BRIDGE
(SUPERSTRUCTURE & TOWER)
TOWER ANCHORAGE DETAILS NO. 11

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

CU 04
EA 0120F1

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

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